Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, Massachusetts

Col.					Petroleum							Biomass				Retail			
Thousand Part Thousand Barrels Thousand Bar		Coal			HGL b				Other e	Total								Electrical	
1970 335	Year					т	housand Barrels	i			Kilowatt-	and	and Co-		Solar ^{g,j}	Kilowatt-		Energy	Total ^{g,k}
1970 335																	,		
1980 198																			
1980 138 203 37,991 2,831 9,006 56,125 8,442 3,384 118,349 11 45,442 2001 70 255 36,643 2,923 8,274 5,009 3,650 118,075 12 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773 5,773																			
2001 70	1990	136	203	37,991	2,631	9,806	56,125	8,442	3,354	118,349	11					45,442			
2002 132 264 37,309 2.315 5.609 67,106 2.689 3.486 118,514 10 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708 5.5708																			
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2005 2.9 228.9 216.9 10.9 51.2 353.7 25.6 18.5 676.9 (s) 8.6 0.0 0.5 0.2 195.3 1,113.3 378.3 2006 2.4 203.7 188.5 13.8 47.6 355.1 16.7 18.7 640.4 0.1 8.8 0.0 0.5 0.2 190.6 1,046.7 373.6 2007 2.8 229.0 187.3 12.6 46.7 364.2 13.1 14.3 638.2 0.2 9.4 0.0 0.5 0.3 195.0 1,075.4 383.6 2008 2.2 255.0 177.3 11.0 62.7 348.7 10.3 8.6 618.6 0.1 8.7 0.0 0.6 0.3 190.7 1,076.3 360.9 2009 1.3 253.2 168.9 9.8 35.2 339.0 8.8 21.4 583.1 0.1 15.5 0.0 0.7 0.4 185.5 1,039.9 336.6 2010 1.8 254.7 186.6 9.2 36.4 338.2 6.0 82.7 859.1 0.1 816.3 0.0 0.8 0.7 194.9 81,068.3 350.2 2011 1.6 270.9 176.9 10.9 39.7 334.6 4.9 82.7 858.8 0.1 818.2 0.0 1.0 1.0 1.0 189.6 87.105.0 328.5 2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 820.1 8549.3 0.1 818.2 0.0 1.0 1.0 1.0 189.6 81,007.3 328.5 2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 821.7 859.1 0.1 820.8 0.0 0.9 3.7 188.6 81,004.7 359.2 2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 821.7 8573.4 0.1 820.8 0.0 0.9 3.7 188.6 81,004.7 364.6																			1,498.3
2006 2.4 203.7 188.5 13.8 47.6 355.1 16.7 18.7 640.4 0.1 8.8 0.0 0.5 0.2 190.6 1,046.7 373.6 2007 2.8 229.0 187.3 12.6 46.7 364.2 13.1 14.3 638.2 0.2 9.4 0.0 0.5 0.3 195.0 1,075.4 383.6 2008 2.2 255.0 177.3 11.0 62.7 348.7 10.3 8.6 618.6 0.1 8.7 0.0 0.6 0.3 199.7 1,076.3 380.9 2009 1.3 253.2 168.9 9.8 35.2 339.0 8.8 21.4 583.1 0.1 15.5 0.0 0.7 0.4 185.5 1,099.9 336.6 2010 1.8 254.7 186.6 9.2 36.4 338.2 6.0 82.7 859.1 0.1 816.3 0.0 0.8 0.7 194.9 81,068.3 350.2 2011 1.6 270.9 176.9 10.9 39.7<																			1,497.8
2007 2.8 229.0 187.3 12.6 46.7 364.2 13.1 14.3 638.2 0.2 9.4 0.0 0.5 0.3 195.0 1,075.4 383.6 2008 2.2 255.0 177.3 11.0 62.7 348.7 10.3 8.6 618.6 0.1 8.7 0.0 0.6 0.3 190.7 1,076.3 360.9 2009 1.3 253.2 168.9 9.8 35.2 339.0 8.8 21.4 583.1 0.1 15.5 0.0 0.7 0.4 185.5 1,039.9 36.6 2010 1.8 254.7 186.6 9.2 36.4 338.2 6.0 82.7 859.1 0.1 816.3 0.0 0.8 0.7 194.9 1,086.3 350.2 2011 1.6 270.9 176.9 10.9 39.7 334.6 4.9 1,219 1,528.8 0.1 1,084.2 0.0 1.0 1.0 189.6 1,071.3 328.5 2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,080.1 1,																			1,491.6 1,420.3
2008 2.2 255.0 177.3 11.0 62.7 348.7 10.3 8.6 618.6 0.1 8.7 0.0 0.6 0.3 190.7 1,076.3 360.9 2009 1.3 253.2 168.9 9.8 35.2 339.0 8.8 21.4 583.1 0.1 15.5 0.0 0.7 0.4 185.5 1,039.9 336.6 2010 1.8 254.7 186.6 9.2 36.4 338.2 6.0 R22.7 R599.1 0.1 R16.3 0.0 0.8 0.7 194.9 R1,008.3 350.2 2011 1.6 270.9 176.9 10.9 39.7 334.6 4.9 R21.9 R588.8 0.1 R18.2 0.0 1.0 1.0 189.6 R1,005.0 328.5 2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 R20.1 R59.3 0.1 R17.4 0.0 0.9 2.2 188.7 R1,005.0 359.2 2013 1.6 275.5 171.6 11.0 <																			1,459.0
2010 1.8 254.7 186.6 9.2 36.4 338.2 6.0 R2.7 R599.1 0.1 R16.3 0.0 0.8 0.7 194.9 R1,068.3 350.2 2011 1.6 270.9 176.9 10.9 39.7 334.6 4.9 R21.9 R588.8 0.1 R18.2 0.0 1.0 1.0 189.6 R1,071.3 328.5 2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 R20.1 R591.3 0.1 R17.4 0.0 0.9 2.2 188.7 R1,005.0 359.2 2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 R21.7 R573.4 0.1 R20.8 0.0 0.9 3.7 188.6 R1,064.7 364.6																			1,437.2
2011 1.6 270.9 176.9 10.9 39.7 334.6 4.9 ^R 21.9 ^R 588.8 0.1 ^R 18.2 0.0 1.0 1.0 189.6 ^R 1,071.3 328.5 2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 ^R 20.1 ^R 549.3 0.1 ^R 17.4 0.0 0.9 2.2 188.7 ^R 1,005.0 359.2 2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 ^R 21.7 ^R 573.4 0.1 ^R 20.8 0.0 0.9 3.7 188.6 ^R 1,064.7 364.6	2009	1.3	253.2	168.9		35.2	339.0	8.8	21.4	583.1		15.5	0.0		0.4	185.5	1,039.9		1,376.5
2012 1.7 244.8 147.5 9.2 37.8 331.5 3.1 ^R 20.1 ^R 549.3 0.1 ^R 17.4 0.0 0.9 2.2 188.7 ^R 1,005.0 359.2 2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 ^R 21.7 ^R 573.4 0.1 ^R 20.8 0.0 0.9 3.7 188.6 ^R 1,064.7 364.6									H 22.7			H 16.3	0.0				H 1,068.3		R 1,418.5
2013 1.6 275.5 171.6 11.0 35.7 330.6 2.8 ^R 21.7 ^R 573.4 0.1 ^R 20.8 0.0 0.9 3.7 188.6 ^R 1,064.7 364.6									''21.9 R 20.1	'' 588.8 R 540.9		'' 18.2 R _{17.4}	0.0				'' 1,071.3 R 1 005 0		R 1,399.8 R 1,364.3
										R 573 4		R 20 8							R 1,429.2
2014 1.5 293.7 165.4 12.3 33.7 325.0 1.5 ^R 23.5 ^R 561.4 0.1 ^R 20.8 0.0 0.9 6.3 185.8 ^R 1,070.7 364.0	2014	1.5	293.7	165.4	12.3	33.7	325.0	1.5	R _{23.5}	R 561.4	0.1	R 20.8	0.0		6.3		R 1,070.7	364.0	R _{1,434.7}
2015 1.2 ^R 296.0 170.7 11.3 36.5 ^R 335.5 1.0 ^R 23.0 ^R 578.0 0.1 ^R 17.8 0.0 0.9 8.4 186.4 ^R 1,088.9 359.5	2015	1.2	R 296.0	170.7	11.3	36.5	R 335.5	1.0	R _{23.0}	R 578.0	0.1	R 17.8	0.0	0.9	8.4	186.4	R 1,088.9	359.5	R _{1,448.3}
2016 0.1 281.7 144.2 10.6 60.9 339.2 1.5 23.3 579.7 (s) 17.2 0.0 0.9 11.9 182.5 1,074.1 348.7	2016	0.1	281.7	144.2	10.6	60.9	339.2	1.5	23.3	579.7	(s)	17.2	0.0	0.9	11.9	182.5	1,074.1	348.7	1,422.8

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

^c Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

^d Beginning in 1993, includes fuel ethanol blended into motor gasoline.

e Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

f Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

Losses and co-products from the production of fuel ethanol.

j Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and industrial utility-scale facilities.

k Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

—— Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.